

Data Path : U:\HPCHEM1\BNA G\DATA\BG012518\
 Data File : BG032303.D
 Acq On : 25 Jan 2018 21:10
 Operator : SJ/JU
 Sample : J1306-20
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 26 01:24:31 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 24 14:02:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	28496	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	114135	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	87013	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	268008	20.00	ng	0.00
75) Chrysene-d12	22.42	240	348007	20.00	ng	0.00
86) Perylene-d12	26.10	264	364227	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.15	112	193686	124.31	ng	0.00
7) Phenol-d6	7.84	99	220802	112.52	ng	0.00
23) Nitrobenzene-d5	9.92	82	169791	100.64	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	246417	171.14	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	628766	89.60	ng	0.00
78) Terphenyl-d14	20.63	244	1492935	94.72	ng	0.00

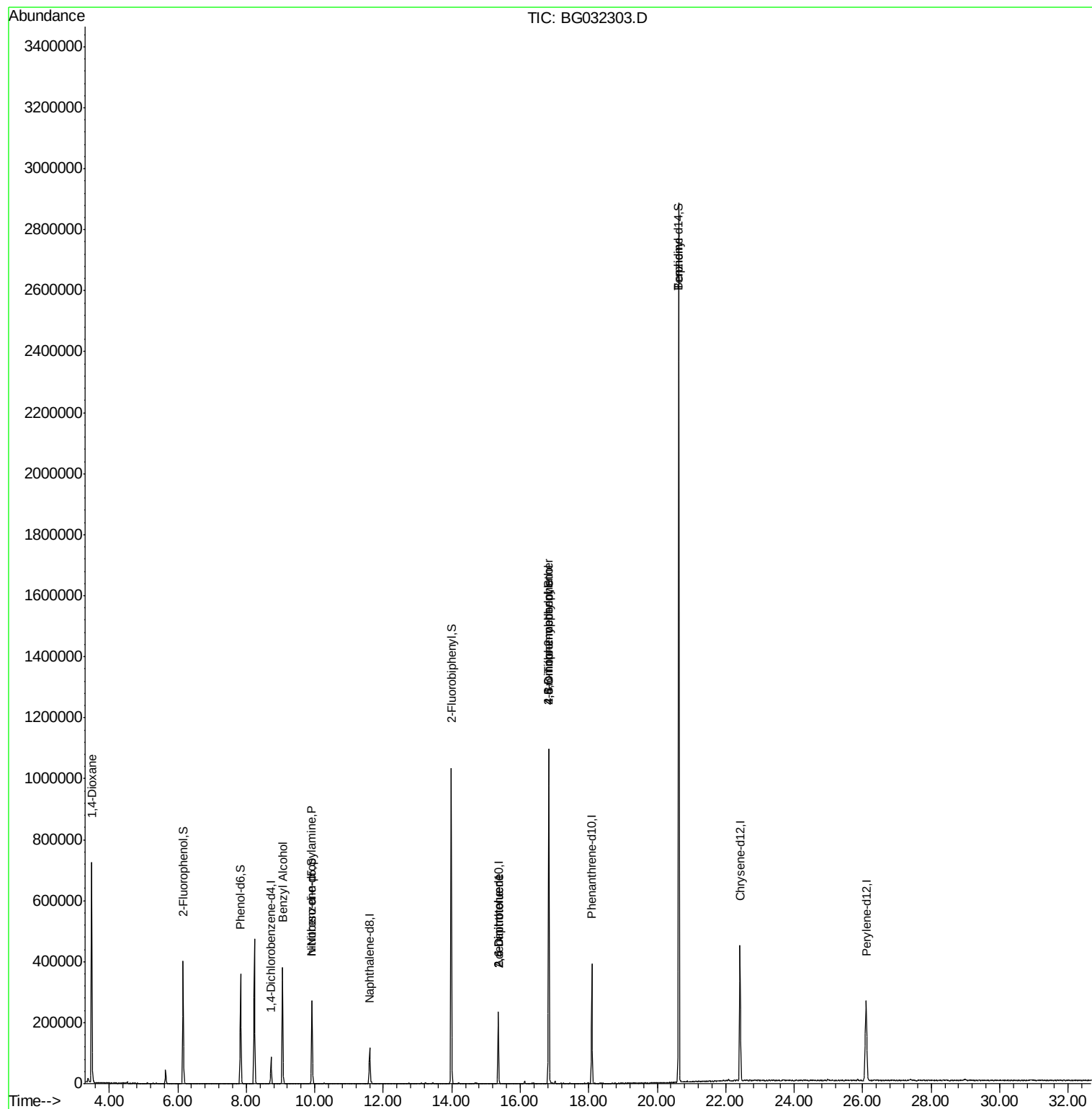
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.48	88	7445	12.438	ng	# 1
15) Benzyl Alcohol	9.05	79	3091	2.168	ng	# 46
19) n-Nitroso-di-n-propylamine	9.92	70	24910	20.460	ng	# 68
50) 2,6-Dinitrotoluene	15.36	165	11780	7.453	ng	# 18
56) 2,4-Dinitrotoluene	15.36	165	11780	5.536	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.84	198	664	5.232	ng	# 50
66) 4-Bromophenyl-phenylether	16.83	248	20247	5.310	ng	# 1
76) Benzidine	20.63	184	21257	2.443	ng	# 89

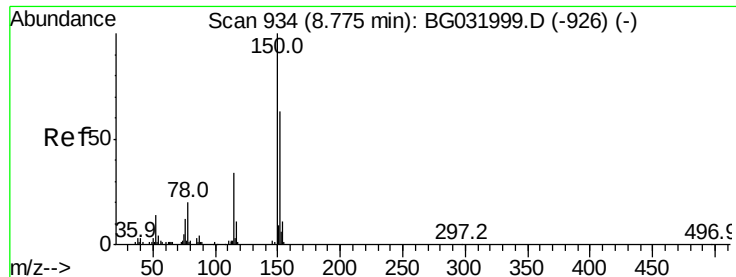
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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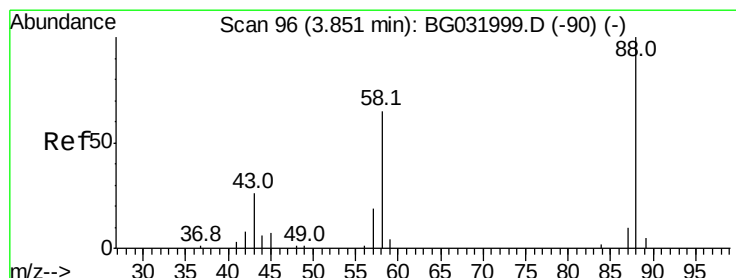
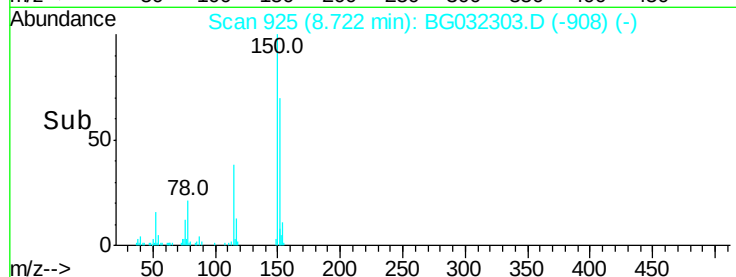
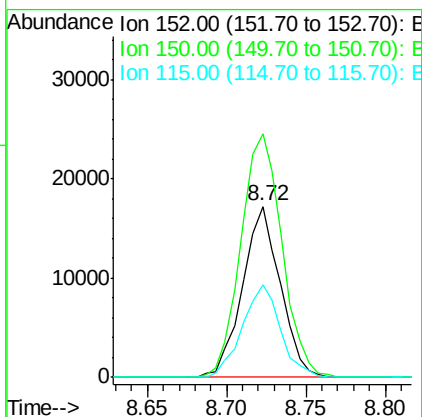
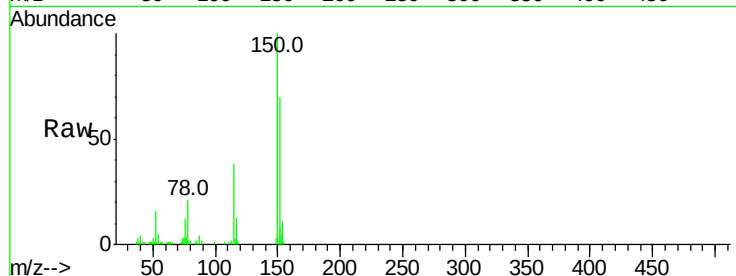


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.72 min Scan# 925
Delta R.T. -0.00 min
Lab File: BG032303.D
Acq: 25 Jan 2018 21:10

Instrument :
BNA_G
ClientSampleId :

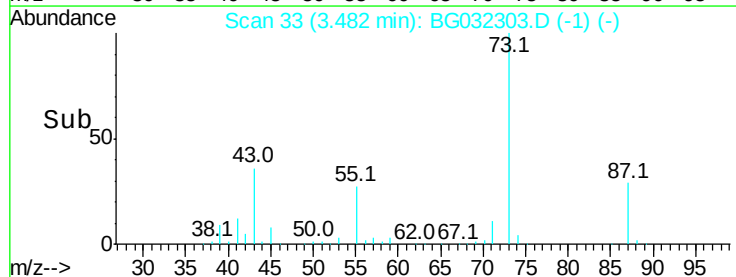
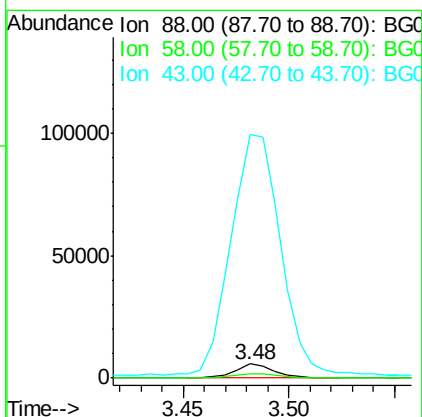
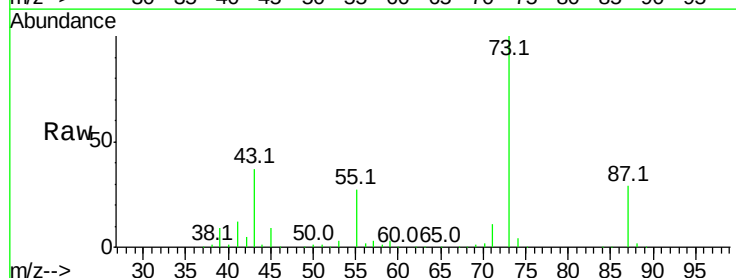
Tot Ion:152 Resp: 28496
Ion Ratio Lower Upper
152 100
150 142.2 126.6 189.8
115 54.2 53.0 79.4

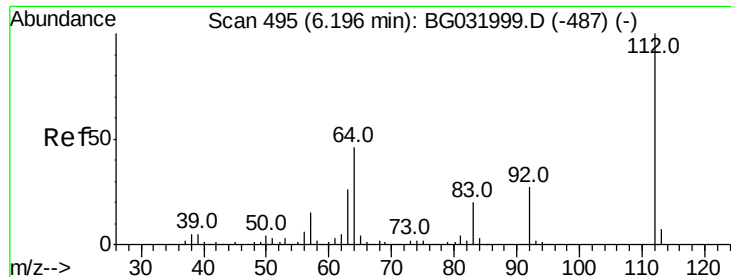


#2

1,4-Dioxane
Concen: 12.438 ng
RT: 3.48 min Scan# 33
Delta R.T. -0.34 min
Lab File: BG032303.D
Acq: 25 Jan 2018 21:10

Tgt Ion: 88 Resp: 7445
Ion Ratio Lower Upper
88 100
58 37.1 79.6 119.4#
43 2187.5 27.4 41.0#





#5

2-Fluorophenol

Concen: 124.312 ng

RT: 6.15 min Scan# 488

Delta R.T. -0.00 min

Lab File: BG032303.D

Acq: 25 Jan 2018 21:10

Instrument :

BNA_G

ClientSampled :

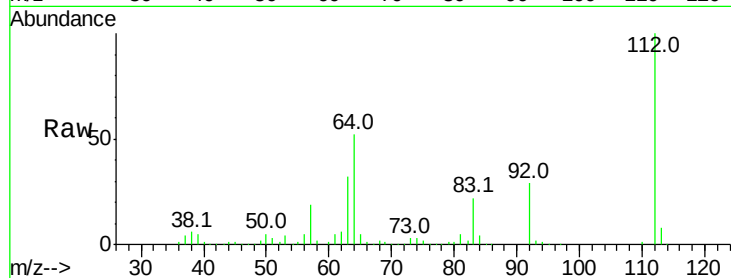
Tot Ion:112 Resp: 193686

Ion Ratio Lower Upper

112 100

64 51.6 56.3 84.5#

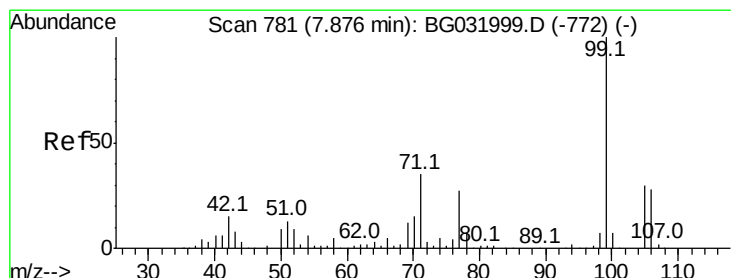
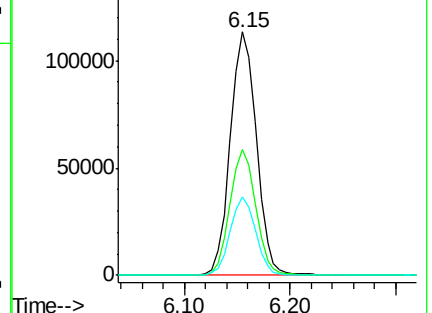
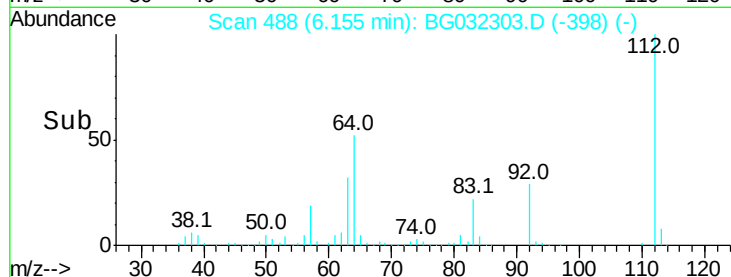
63 32.2 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 112.523 ng

RT: 7.84 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG032303.D

Acq: 25 Jan 2018 21:10

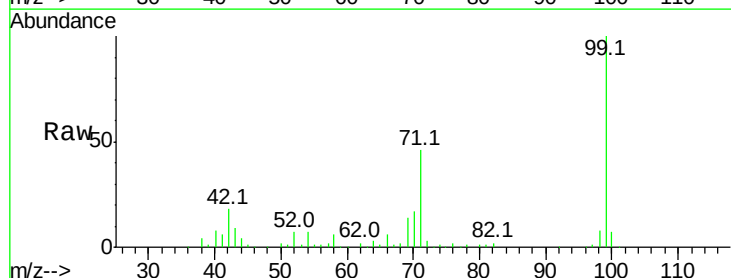
Tgt Ion: 99 Resp: 220802

Ion Ratio Lower Upper

99 100

42 17.9 14.1 21.1

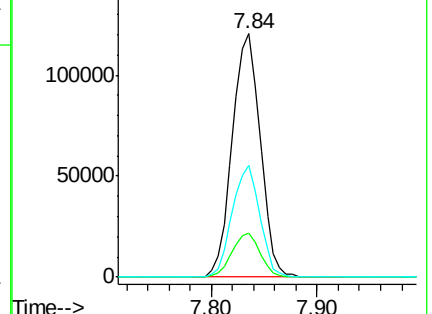
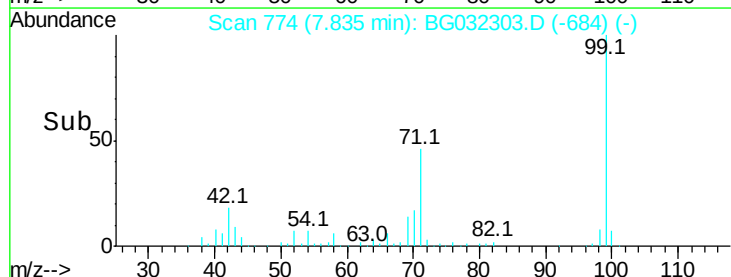
71 45.9 26.1 39.1#

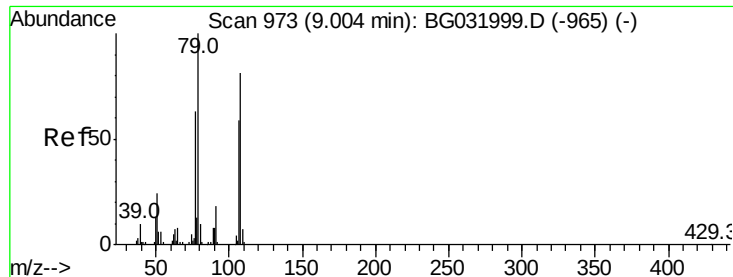


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.168 ng

RT: 9.05 min Scan# 981

Delta R.T. 0.09 min

Lab File: BG032303.D

Acq: 25 Jan 2018 21:10

Instrument :

BNA_G

ClientSampleId :

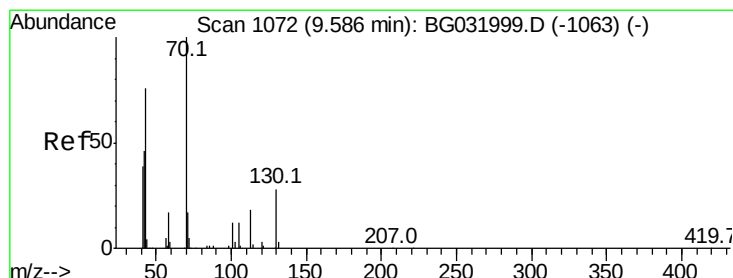
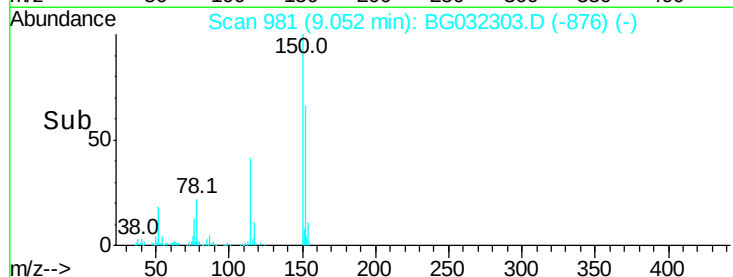
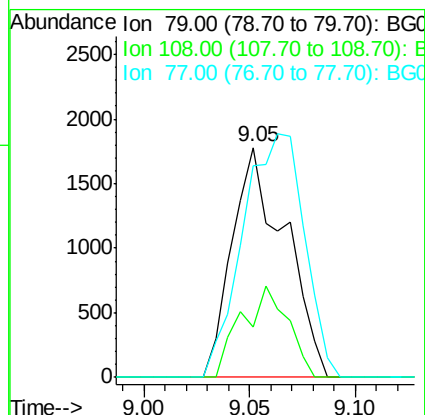
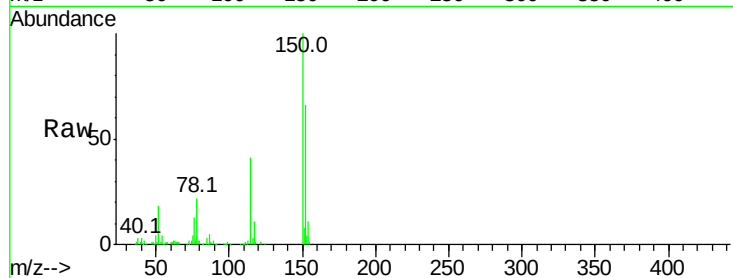
Tot Ion: 79 Resp: 3091

Ion Ratio Lower Upper

79 100

108 22.0 57.2 85.8#

77 92.4 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 20.460 ng

RT: 9.92 min Scan# 1128

Delta R.T. 0.38 min

Lab File: BG032303.D

Acq: 25 Jan 2018 21:10

Tgt Ion: 70 Resp: 24910

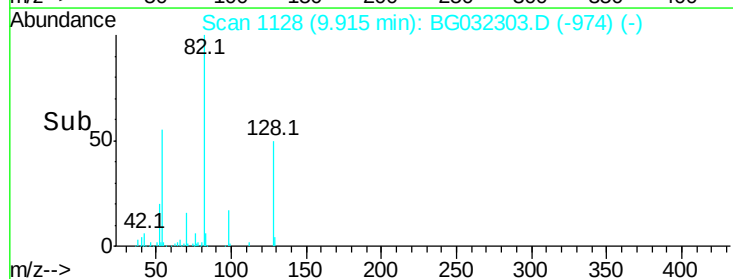
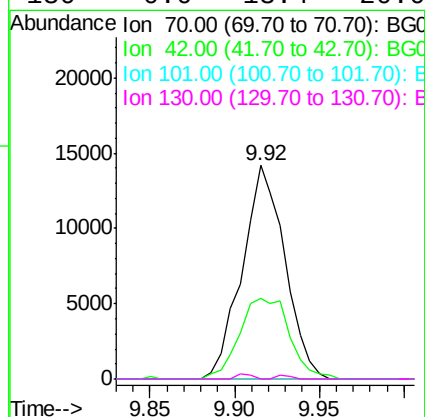
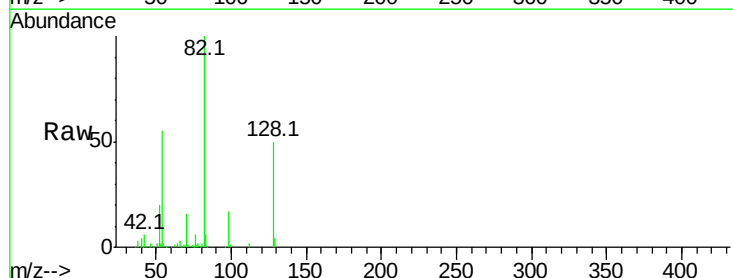
Ion Ratio Lower Upper

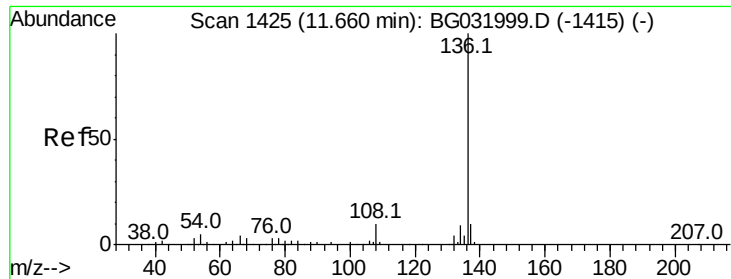
70 100

42 37.6 49.1 73.7#

101 0.0 8.5 12.7#

130 0.0 13.4 20.0#

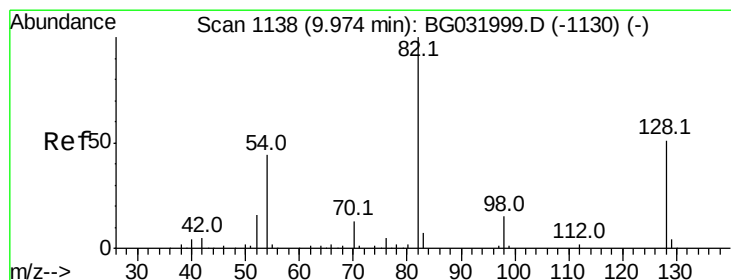
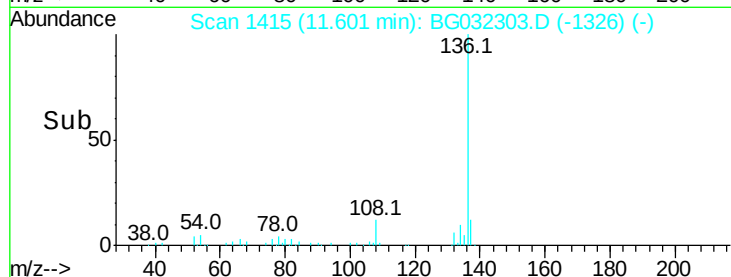
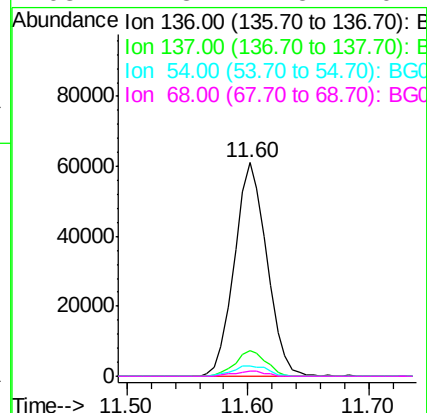
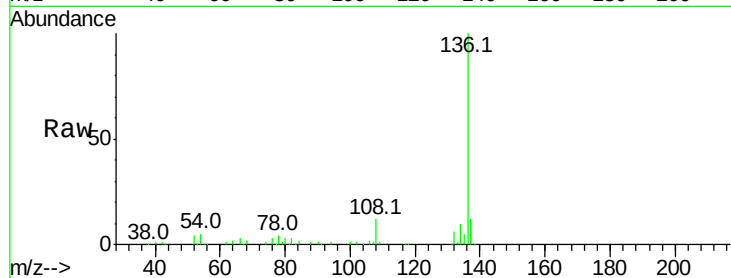




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BG032303.D
Acq: 25 Jan 2018 21:10

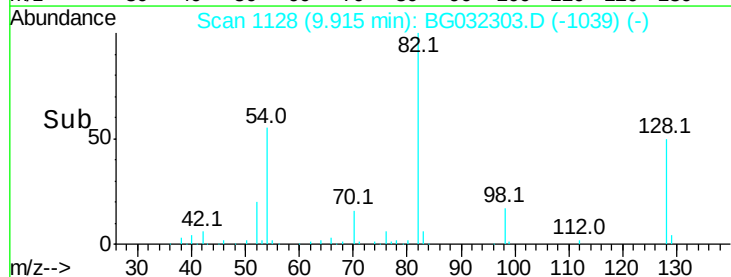
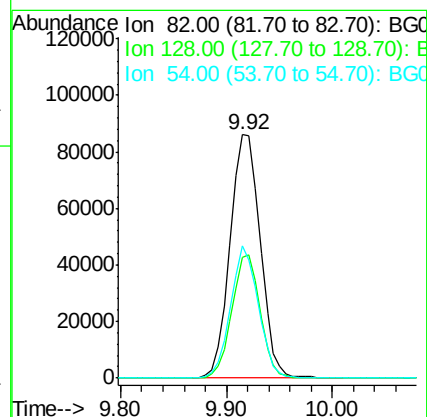
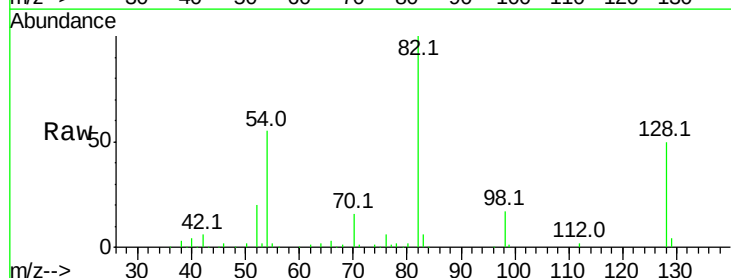
Instrument :
BNA_G
ClientSampleId :

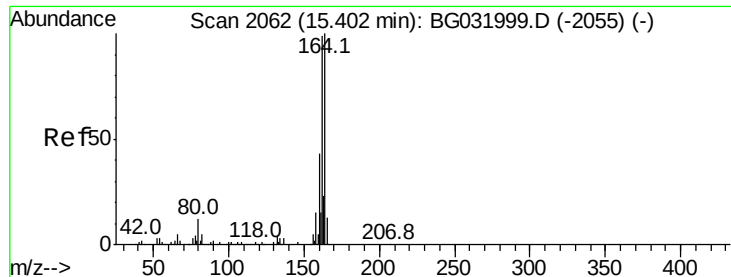
Tot Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.2	13.8
54	4.9	10.3	15.5#
68	2.3	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 100.645 ng
RT: 9.92 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BG032303.D
Acq: 25 Jan 2018 21:10

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.5	29.7	44.5#
54	54.6	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032303.D

Acq: 25 Jan 2018 21:10

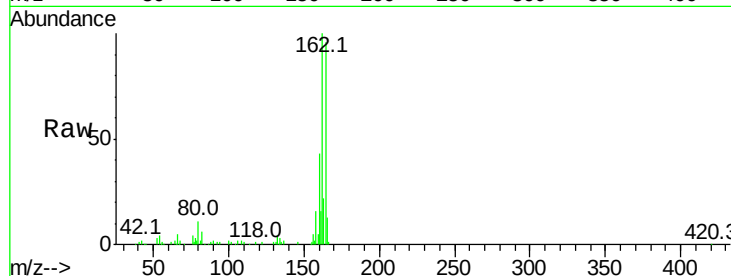
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 87013

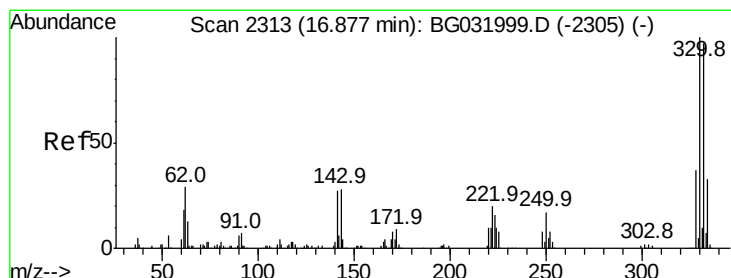
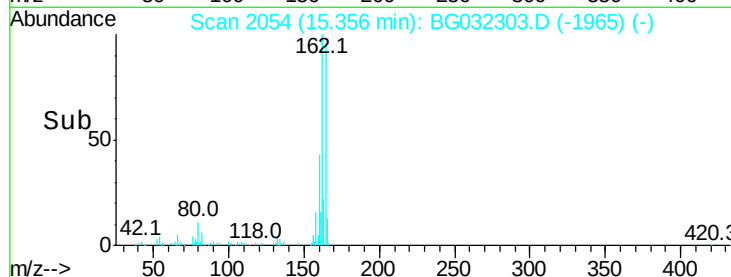
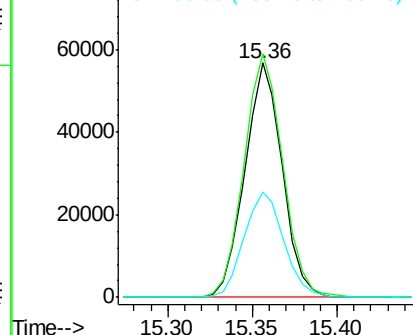
Ion	Ratio	Lower	Upper
164	100		
162	104.0	78.8	118.2
160	44.9	35.4	53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 171.139 ng

RT: 16.83 min Scan# 2305

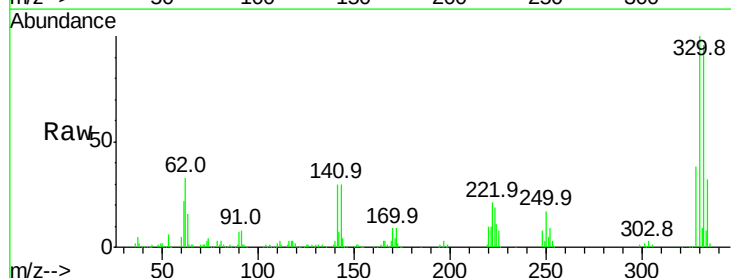
Delta R.T. -0.01 min

Lab File: BG032303.D

Acq: 25 Jan 2018 21:10

Tgt Ion:330 Resp: 246417

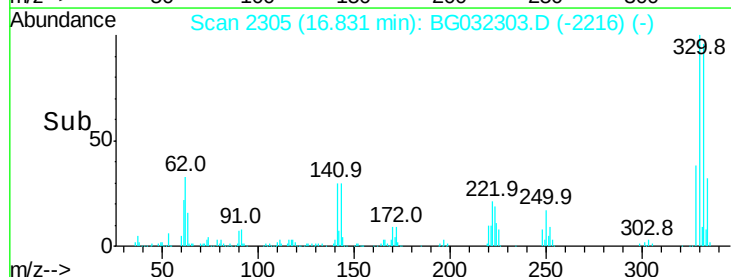
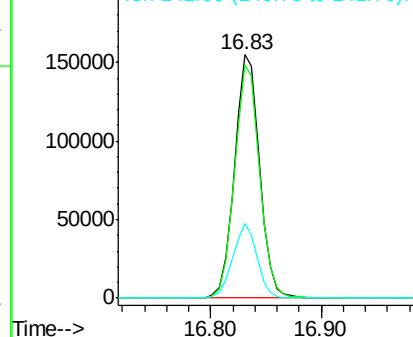
Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	29.6	25.2	37.8

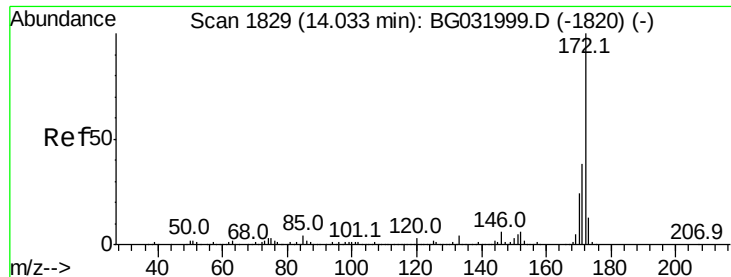


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 89.600 ng

RT: 13.99 min Scan# 1821

Delta R.T. -0.00 min

Lab File: BG032303.D

Acq: 25 Jan 2018 21:10

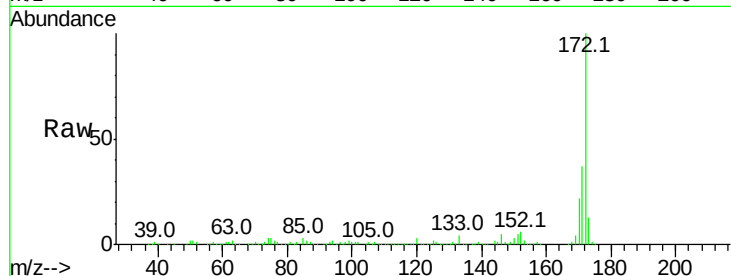
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 628766

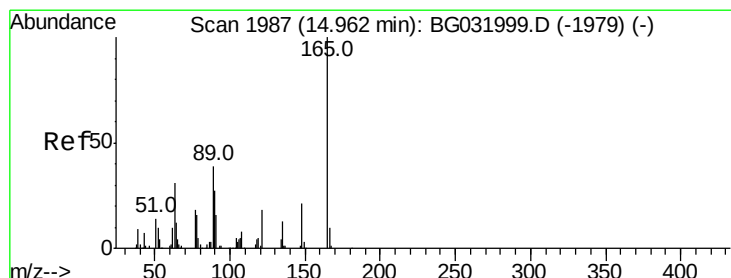
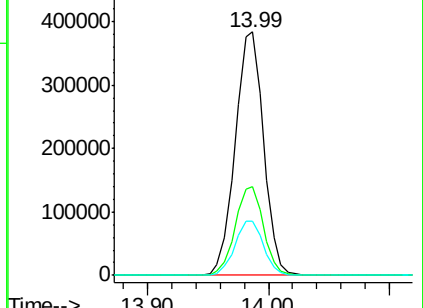
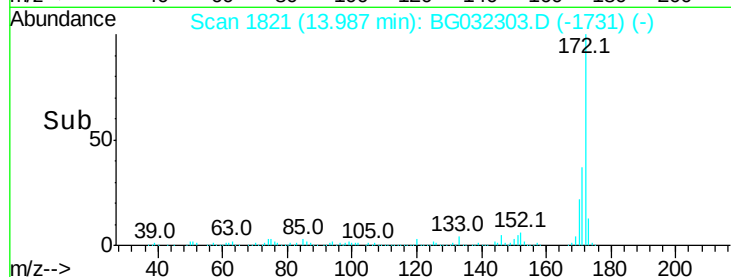
Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.0	45.0
170	22.5	19.5	29.3



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50

2,6-Dinitrotoluene

Concen: 7.453 ng

RT: 15.36 min Scan# 2054

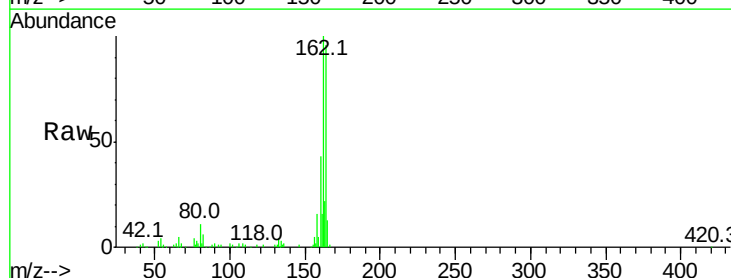
Delta R.T. 0.43 min

Lab File: BG032303.D

Acq: 25 Jan 2018 21:10

Tgt Ion:165 Resp: 11780

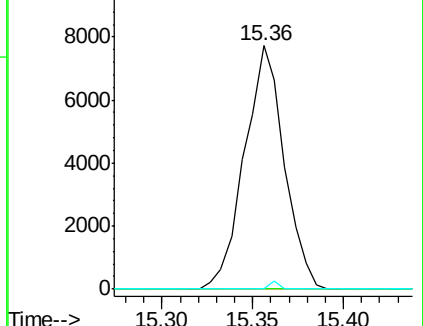
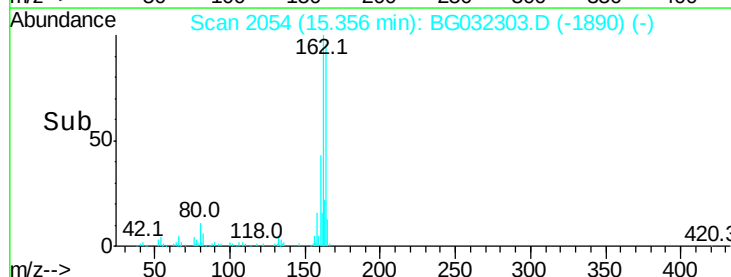
Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#

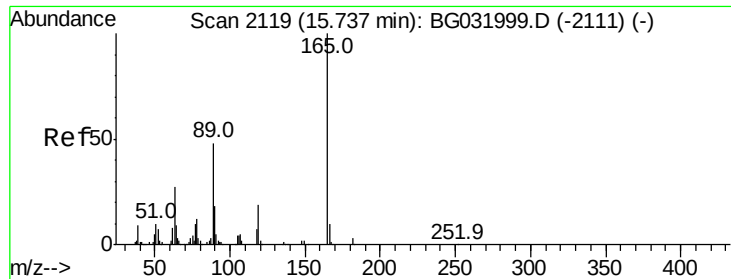


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

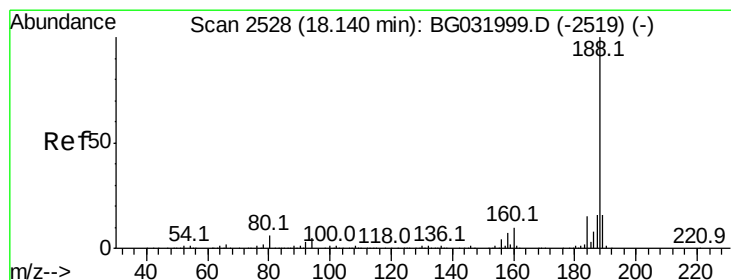
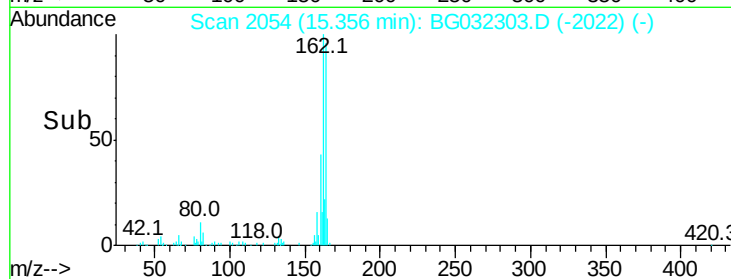
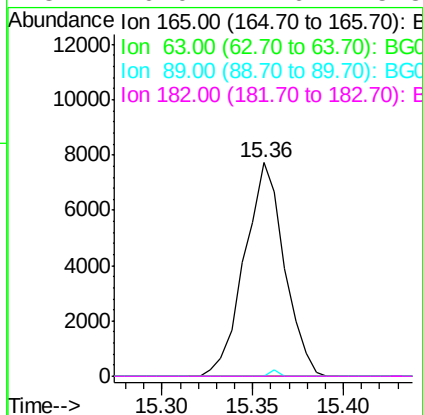
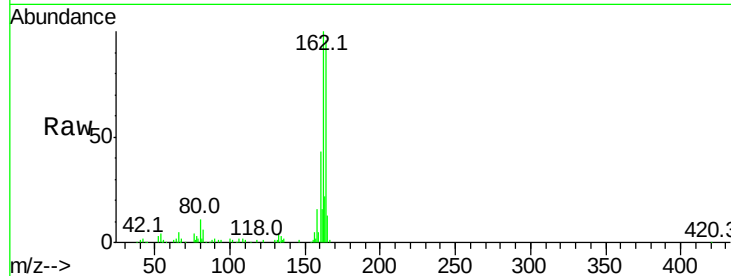




#56
 2,4-Dinitrotoluene
 Concen: 5.536 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032303.D
 Acq: 25 Jan 2018 21:10

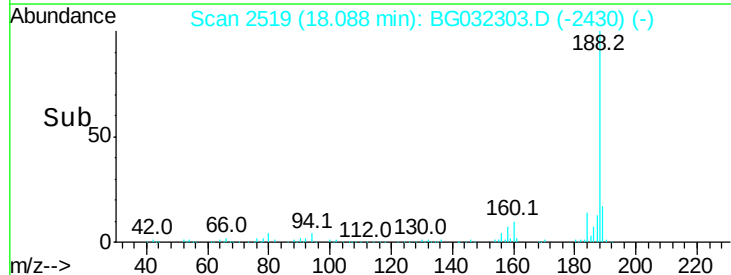
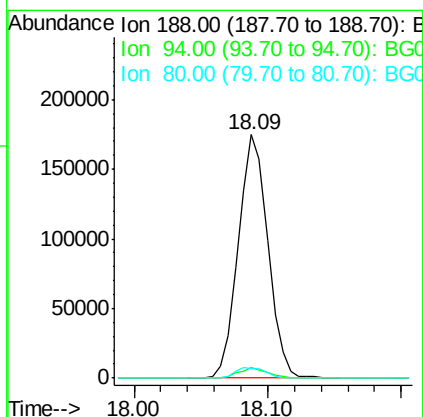
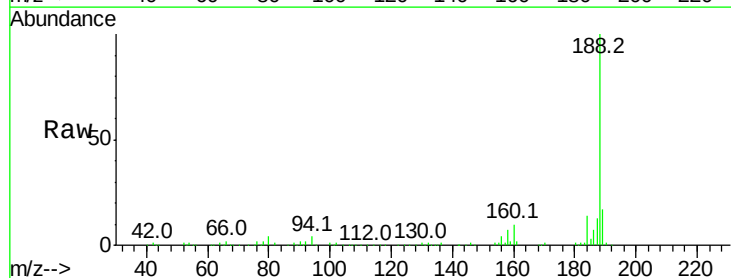
Instrument :
 BNA_G
 ClientSampleId :

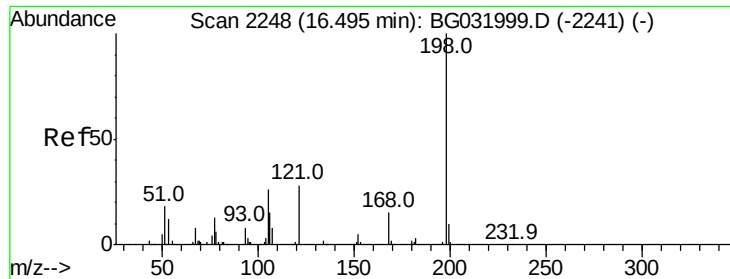
Tot Ion:165 Resp: 11780
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BG032303.D
 Acq: 25 Jan 2018 21:10

Tgt Ion:188 Resp: 268008
 Ion Ratio Lower Upper
 188 100
 94 4.4 6.9 10.3#
 80 3.8 7.7 11.5#

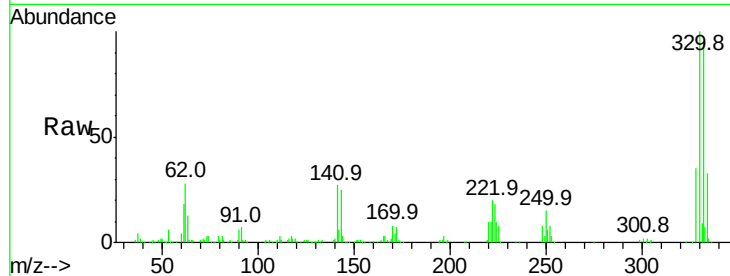




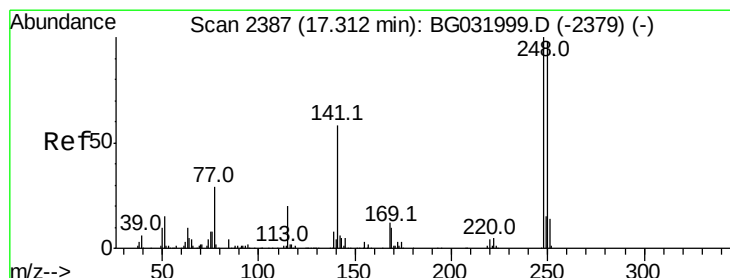
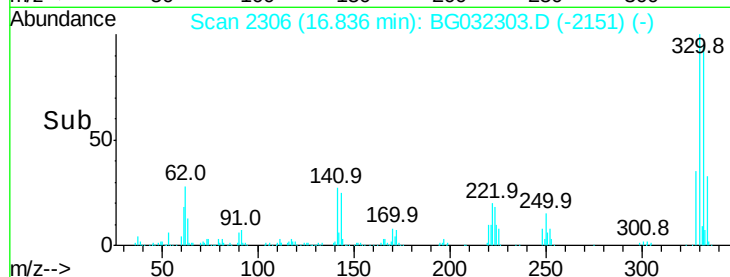
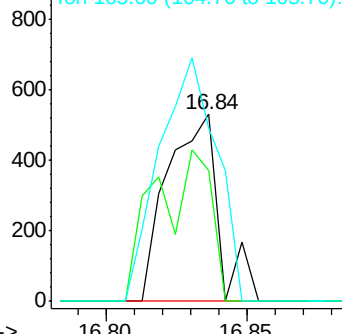
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.232 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. 0.38 min
 Lab File: BG032303.D
 Acq: 25 Jan 2018 21:10

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 664
 Ion Ratio Lower Upper
 198 100
 51 70.1 30.6 70.6
 105 93.0 23.8 63.8#

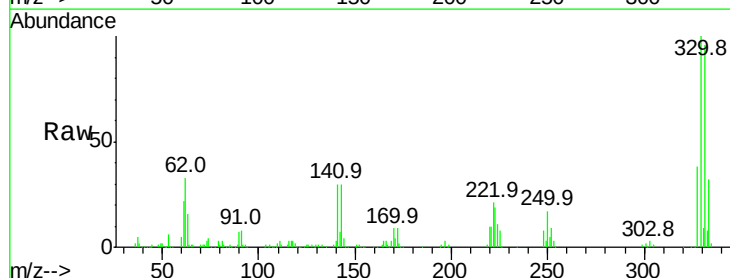


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

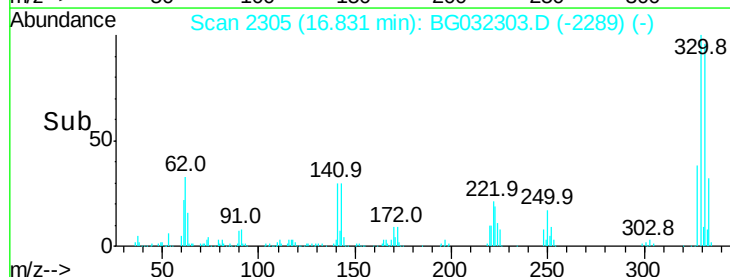
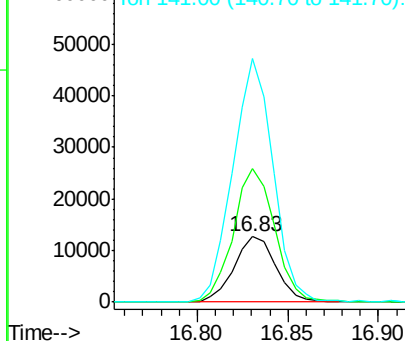


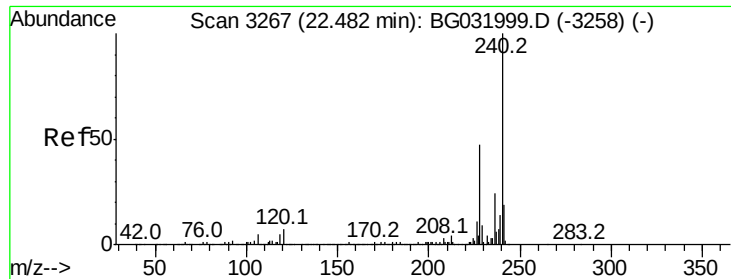
#66
 4-Bromophenyl-phenylether
 Concen: 5.310 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. -0.44 min
 Lab File: BG032303.D
 Acq: 25 Jan 2018 21:10

Tgt Ion:248 Resp: 20247
 Ion Ratio Lower Upper
 248 100
 250 205.5 77.1 115.7#
 141 373.0 50.8 76.2#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.42 min Scan# 3256

Delta R.T. -0.01 min

Lab File: BG032303.D

Acq: 25 Jan 2018 21:10

Instrument :

BNA_G

ClientSampled :

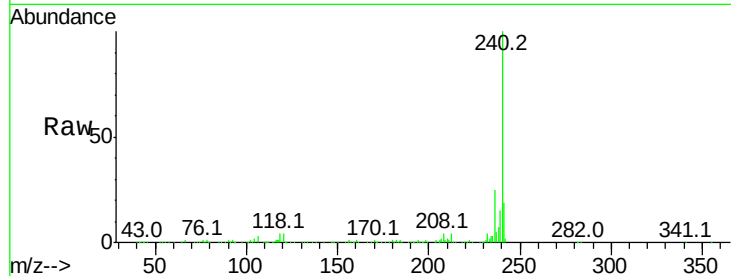
Tot Ion:240 Resp: 348007

Ion Ratio Lower Upper

240 100

120 3.6 6.8 10.2#

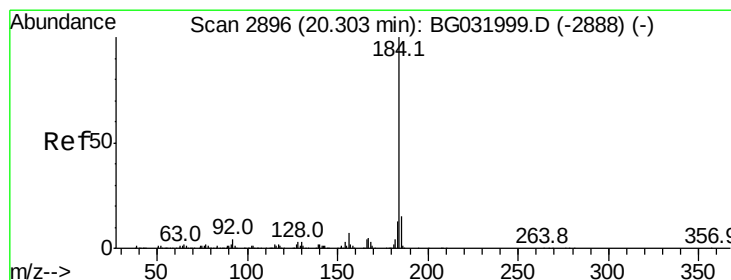
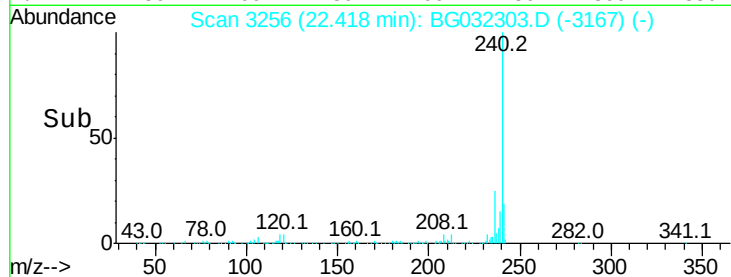
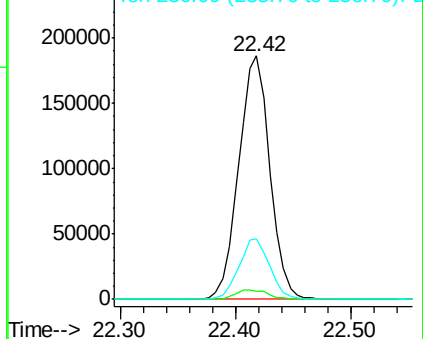
236 24.6 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 2.443 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.36 min

Lab File: BG032303.D

Acq: 25 Jan 2018 21:10

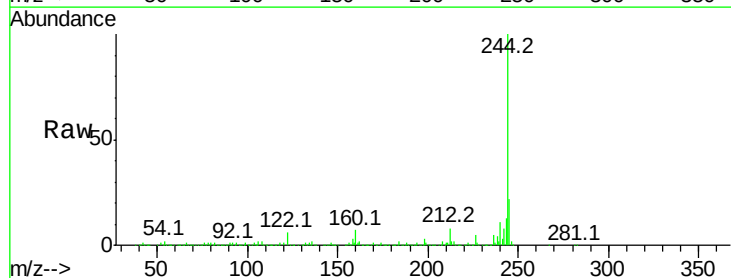
Tgt Ion:184 Resp: 21257

Ion Ratio Lower Upper

184 100

185 18.2 11.1 16.7#

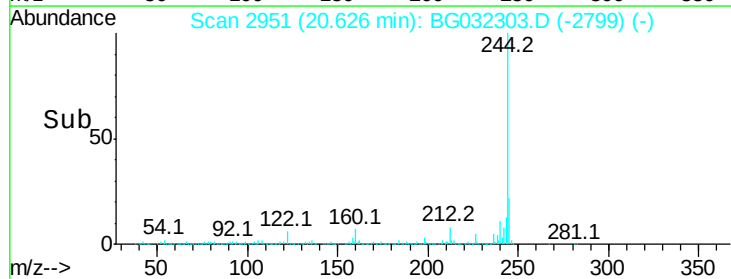
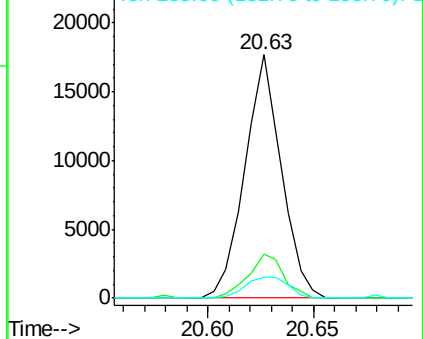
183 8.6 10.6 16.0#

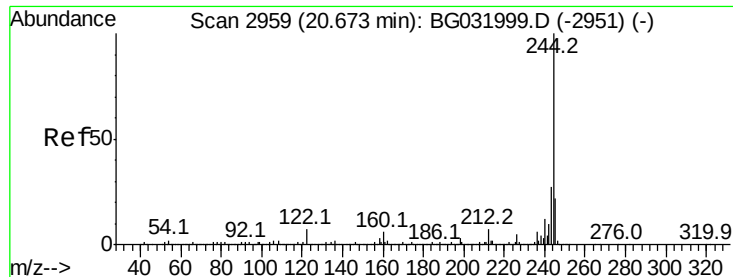


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 94.724 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.01 min

Lab File: BG032303.D

Acq: 25 Jan 2018 21:10

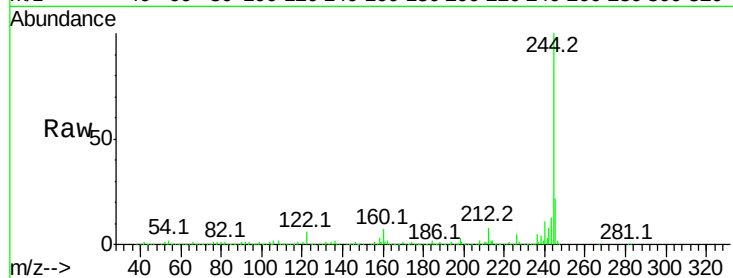
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1492935

Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.8
122	5.9	7.0	10.4

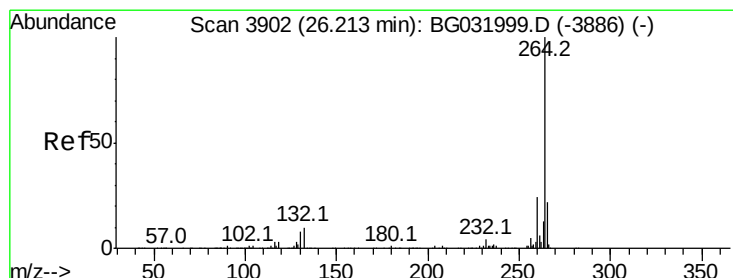
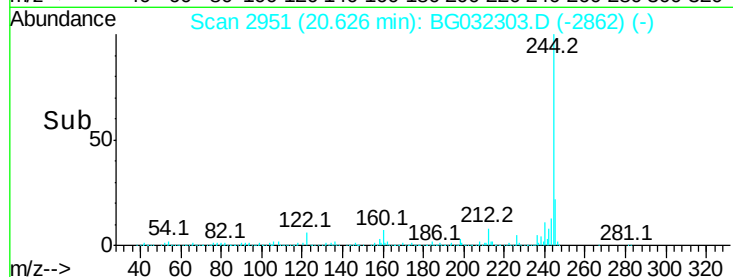
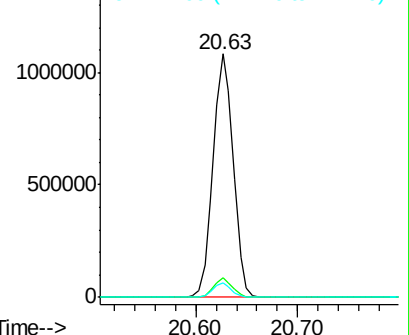


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.10 min Scan# 3882

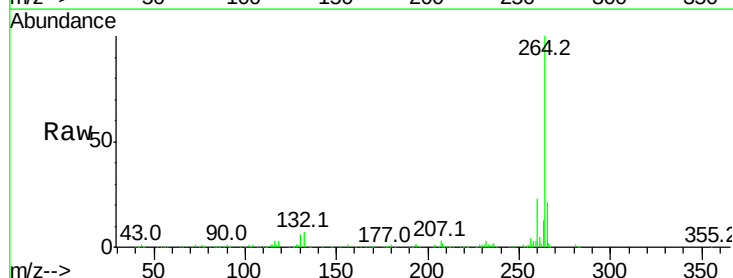
Delta R.T. -0.01 min

Lab File: BG032303.D

Acq: 25 Jan 2018 21:10

Tgt Ion:264 Resp: 364227

Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.4	26.0
265	21.2	17.7	26.5



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

